



OxLinx™ LHM-NL Series

HDMI Active Optical Cable



PRODUCT DESCRIPTION

LUSEM's LHM-NL is a plug & play HDMI active optical cable (AOC) well suited for critical display applications that demand flawless HDMI signal quality and it provides unmatched signal fidelity and transparency over a wide range of input resolution up to 100m reach.

AOC is constructed from 4 optical fiber and 6 of AWG 28 wires, optical fiber cable reduces the risk of EMI/RFI and the performance is stable when used in typically high interference environments such as digital signage panels/kiosks, surgical theaters or manufacturing facilities where high resolution and consistent display are critical.

LHM-NL Series holds firmly distinctive performance advantages and requires absolutely no external power to operate the cable when it is hooked up and exhibits much lower power consumption rather than others requiring an external USB power port. It just utilizes only Tx and Rx plug when it is installed without any additional setting arrangements.

Ordering Note: LUSEM ACTIVE HDMI cables require a typical operating voltage of 5V DC (Min. 4.8V – Max. 5.3V) at both Source and Display HDMI connector. HDMI compliant equipment will provide this via Pin. 18. Where a connected device fails to provide sufficient operating voltage an external power inserter may be considered.

PRODUCT KEY FEATURES

- 4K@30Hz, 1080p@60Hz Full HD, 3D, Deep Color
- Multi-channel Audio, Dolby TrueHD, DTS-HD Master Audio
- HDMI 1.4 Compliant : EDID, CEC, HDCP
- EMI & RFI Immunity
- Plug & Play Operation
- Built-in Powering (No External USB Power Port)
- High Pulling Strength
- Low Power Consumption
- CMP-OF Plenum & LSZH Cable Jacket
- Various Lengths from 10 to 100m

PRODUCT APPLICATIONS

- Professional AV System Interconnection
- In & Outdoor Digital Signage & Kiosks
- Home Theater Systems
- Facility Automation Systems

ORDERING INFORMATION

Code	Length
38-8801	10m
38-8802	15m
38-8803	20m
38-8804	30m
38-8811	40m
38-8805	50m
38-8806	60m
38-8807	70m
38-8808	80m
38-8809	90m
38-8810	100m





PRODUCT SPECIFICATIONS

AUDIO & VIDEO SPECIFICATION

Video Resolution	1080p Full HD Deep Color 48bit, 3D 4K@30Hz (HDMI 1.4)
Embedded Audio Feature	PCM 8ch, Dolby Digital True HD, DTS-HD Master Audio
HDMI Compliances	HDCP, EDID, CEC
Pixel Clock Rate	300MHz
DDC Signal Input	5.0 volts

CABLE ASSEMBLY SPECIFICATION

HDMI Connector	Male HDMI Type A Connector
HDMI Connector Dimension	27.8 x 0.8 x 4.40 (70.7mm x 19.6mm x 11.2mm)
Cable Structure	Hybrid Optical Fiber Cable
Cable Jacket Material	UL Plenum (CMP-OF) & LSZH (Low Smoke Zero Halogen)
Cable Diameter	3.4mm
Cable Bending Radius	6mm
Max. Pulling Strength	500N (50kg, 110lbs)
Max. Compression Load Resistance	500N (50kg, 110lbs)

POWER SPECIFICATION

Power Supply	HDMI PIN # 18 (Draws current from the source)
Power Consumption	0.5W

ENVIRONMENTAL SPECIFICATION

Operating Temperature	+32 ~ +122 oF (0 ~ +50 oC)
Storage Temperature	-22 ~ +122 oF (-30 ~ +50 oC)
Operating Humidity	5 ~ 85%



PRODUCT DIMENSIONS

- Transmitter & Receiver Connector

Unit : mm

